



✓ #

MS MISSING PARTS
PATENT
1503-0160P

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: Juha HAIMALA et al. Conf.:
Appl. No.: 10/748,299 Group:
Filed: December 31, 2003 Examiner:
For: METHOD AND APPARATUS FOR THE HANDLING
AND STORAGE OF LOADS

THIS IS NOT A NEW PATENT APPLICATION

LETTER SUBMITTING DOCUMENTS
FOR COMPLETION OF AN APPLICATION
PURSUANT TO 37 C.F.R. § 1.53(f) and/or § 1.53(d)

MS MISSING PARTS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

April 2, 2004

Sir:

The application papers for the above-identified application were originally filed on December 31, 2003 and the application was assigned Appl. No. 10/748,299.

DOCUMENTATION

☒ Under the provisions of 37 C.F.R. §§ 1.41(c) and 1.53(f), attached hereto is the executed Declaration of the inventor(s) (☒ original ☐ photocopy), necessary for completing the filing requirements in connection with the above-identified application.

☐ Under the provisions of 37 C.F.R. §§ 1.41(c) and 1.53(f), attached hereto is the executed Declaration that was attached

to the specification at the time of execution. The attached specification is a true copy of the specification that was filed in the U.S. Patent and Trademark office on December 31, 2003, including any amendments thereto (if applicable) filed on even date therewith.

- ☒ The undersigned hereby declares that "Attorney Docket No. 1503-0160P on page 1 of the attached inventors' Declaration, corresponds to Appl. No. 10/748,299, filed December 31, 2003, entitled "METHOD AND APPARATUS FOR THE HANDLING AND STORAGE OF LOADS."
- ☐ Attached is a copy of the Notice to File Missing Parts of Nonprovisional Application.
- ☐ Attached is an English language translation of the above-identified application that was filed in a foreign language, which should be used as the copy for examination purposes.
- ☐ See the attached Translator's Verification; or
- ☐ The undersigned states that the English translation attached hereto is a true and correct translation of the application as originally filed in a foreign language.
- ☐ Attached are _____ () sheet(s) of formal drawings. Please substitute these corrected drawings for the corresponding _____ () sheets of drawings on file in the above-identified application.
- ☐ Attached are substitute claims commencing on a separate sheet in accordance with 37 C.F.R. § 1.75(h).
- ☐ Attached is a substitute abstract commencing on a separate sheet in accordance with 37 C.F.R. § 1.72(b).
- ☐ Attached is a substitute specification that complies with 37 C.F.R. § 1.52. The substitute specification does not contain new matter.

- ☐ Applicant claims small entity status under 37 C.F.R. § 1.27.
- ☒ Submitted concurrently herewith **under separate cover** for recording is an Assignment.

FEES

The Government Filing Surcharge(s) (37 C.F.R. § 1.16(e) and/or § 1.17(k)) and the basic Government Filing Fee(s) (37 C.F.R. § 1.16(a)-(d), if applicable) is/are attached hereto and calculated as follows:

- ☐ Basic Filing Fee(s): \$0.00 (37 C.F.R. § 1.16(a)-(d))
- ☒ The Government Filing Surcharge under 35 U.S.C. § 1.16(e) for late filing of filing fee, oath and/or declaration:
- ☒ Large Entity - \$130.00 ☐ Small Entity - \$ 65.00
- ☐ The Government Filing Surcharge under 37 C.F.R. § 1.17(i) for filing of translation of non-English Specification in the amount of \$130.00:
- ☐ was previously paid for concurrently with the filing of the application on .
- ☐ is attached hereto.
- ☐ Additional claim fee(s) under 37 C.F.R. § 1.16(b)-(d) in the amount of \$0.00; which have been calculated as follows:

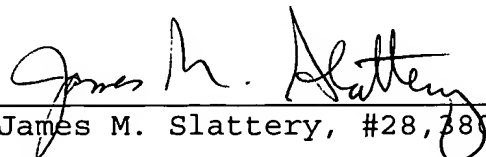
| | CURRENT NUMBER OF CLAIMS | | HIGHEST NUMBER PREVIOUSLY PAID FOR | | PRESENT EXTRA | RATES | ADDITIONAL FEE |
|---|-----------------------------------|---|---|---|------------------|---------------|-------------------|
| TOTAL | | - | 20 | = | 0 | \$18 (large) | \$0.00 |
| INDEPENDENT | | - | 3 | = | 0 | \$86 (large) | \$0.00 |
| <input type="checkbox"/> FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM | | | | | | \$290 (large) | \$0.00 |
| | | | | | | TOTAL | \$0.00 |

- ☒ No extension fee is required because the undersigned has not yet received the Notice to File Missing Parts of Nonprovisional Application. However, if for some reason it is determined that an extension of time is necessary, applicant hereby respectfully petitions for an extension of time for the filing of the present paper in accordance with the provisions of 37 C.F.R. § 1.136 and 37 C.F.R. § 1.17.
- ☐ Applicant hereby respectfully petitions for a () month(s) extension of time for the filing of the present paper in accordance with the provisions of 37 C.F.R. § 1.136 and 37 C.F.R. § 1.17. The required fee of \$0.00 is attached hereto.
- ☒ Check(s) in the amount of \$130.00 to cover the basic filing fee(s), surcharge fee(s), additional claim fee(s), and any extension of time fee(s) (if applicable) is/are enclosed.
- ☐ Please charge Deposit Account No. 02-2448 in the amount of \$0.00. A triplicate copy of this transmittal form is enclosed.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fee required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By 
James M. Slattery, #28,380

JMS/ndb
1503-0160P

P.O. Box 747
Falls Church, VA 22040-0747
(703) 205-8000

Attachment(s)

(Rev. 03/24/2004)



Attorney Docket No. 1503-0160p

BIRCH, STEWART, KOLASCH & BIRCH, LLP

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Telephone: (703) 205-8000 • Facsimile: (703) 205-8050

PLEASE NOTE:
YOU MUST
COMPLETE THE
FOLLOWING

**COMBINED DECLARATION AND POWER OF ATTORNEY
FOR PATENT AND DESIGN APPLICATIONS**

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated next to my name; that I verily believe that I am the original, first and sole inventor (if only one inventor is named below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Insert Title:

METHOD AND APPARATUS FOR THE HANDLING AND STORAGE OF LOADS

Fill in Appropriate

the specification of which is attached hereto. If not attached hereto, the application is identified by the attorney docket number as set forth above and/or the following:

Information -
For Use Without
Specification
Attached:

The specification was filed on December 31, 2003 as
United States Application Number _____;
and amended on December 31, 2003 (if applicable) and/or
the specification was filed on _____ as PCT
International Application Number _____; and was
amended on _____ (if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I do not know and do not believe the same was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representative or assigns more than twelve months (six months for designs) prior to this application, and that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns, except as follows.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

Insert Priority
Information:
(if appropriate)

| | | | | |
|-----------------------------|-----------------------------|--|---|-----------------------------|
| <u>20030001</u> (Number) | <u>FINLAND</u> (Country) | <u>January 2, 2003</u> (Month/Day/Year Filed) | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| _____ (Number) | _____ (Country) | _____ (Month/Day/Year Filed) | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| _____ (Number) | _____ (Country) | _____ (Month/Day/Year Filed) | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| _____ (Number) | _____ (Country) | _____ (Month/Day/Year Filed) | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional applications(s) listed below.

Insert Provisional
Application(s):
(if any)

| | |
|-------------------------------|------------------------|
| _____ (Application Number) | _____ (Filing Date) |
| _____ (Application Number) | _____ (Filing Date) |

All Foreign Applications, if any, for any Patent or Inventor's Certificate Filed More than 12 Months (6 Months for Designs) Prior to the Filing Date of This Application:

Insert Requested
Information:
(if appropriate)

| Country | Application Number | Date of Filing (Month/Day/Year) |
|---------|--------------------|---------------------------------|
| _____ | _____ | _____ |
| _____ | _____ | _____ |

I hereby claim the benefit under Title 35, United States Code, §120 of any United States and/or PCT application(s), including for continuation-in-part application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States and/or PCT application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to the patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

Insert Prior U.S.
Application(s):
(if any)

| | | |
|-------------------------------|------------------------|--|
| _____ (Application Number) | _____ (Filing Date) | _____ (Status - patented, pending, abandoned) |
| _____ (Application Number) | _____ (Filing Date) | _____ (Status - patented, pending, abandoned) |

I hereby appoint the practitioners at CUSTOMER NO. 02292 as my attorneys or agents to prosecute this application and/or an international application based on this application and to transact all business in the United States Patent and Trademark Office connected therewith and in connection with the resulting patent based on instructions received from the entity who first sent the application papers to the practitioners, unless the inventor(s) or assignee provides said practitioners with a written notice to the contrary:

Send Correspondence to:

BIRCH, STEWART, KOLASCH & BIRCH, LLP or CUSTOMER NO. 02292

P.O. Box 747 • Falls Church, Virginia 22040-0747

Telephone: (703) 205-8000 • Facsimile: (703) 205-8050

PLEASE NOTE:
YOU MUST
COMPLETE
THE
FOLLOWING:
↓

Full Name of First
or Sole Inventor:
Insert Name of
Inventor
Insert Date This
Document is Signed →

Insert Residence
Insert Citizenship →

Insert Post Office
Address →

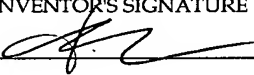


Full Name of Second
Inventor, if any:
see above

Full Name of Third
Inventor, if any:
see above

Full Name of Fourth
Inventor, if any:
see above

Full Name of Fifth
Inventor, if any:
see above

Full Name of Sixth
Inventor, if any:
see above

| | | |
|---|--|------------------------|
| GIVEN NAME/FAMILY NAME Juha HAIMALA | INVENTOR'S SIGNATURE  | DATE* 26.1.2004 |
| Residence (City, State & Country) FIN-03400 VIHTI FINLAND | | CITIZENSHIP Finnish |
| MAILING ADDRESS (Complete Street Address including City, State & Country) Rillikuja 2 FIN-03400 VIHTI FINLAND | | |
| GIVEN NAME/FAMILY NAME Tuomas MANTERE | INVENTOR'S SIGNATURE  | DATE* 26.1.2004 |
| Residence (City, State & Country) FIN-00410 HELSINKI FINLAND | | CITIZENSHIP Finnish |
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| GIVEN NAME/FAMILY NAME Pentti VÄRTTÖ | INVENTOR'S SIGNATURE  | DATE* 26.1.2004 |
| Residence (City, State & Country) FIN-0440 JÄRVENPÄÄ FINLAND | | CITIZENSHIP Finnish |
| MAILING ADDRESS (Complete Street Address including City, State & Country) Laukkakuja 9 FIN-0440 JÄRVENPÄÄ FINLAND | | |
| GIVEN NAME/FAMILY NAME | INVENTOR'S SIGNATURE | DATE* |
| Residence (City, State & Country) | | CITIZENSHIP |
| MAILING ADDRESS (Complete Street Address including City, State & Country) | | |
| GIVEN NAME/FAMILY NAME | INVENTOR'S SIGNATURE | DATE* |
| Residence (City, State & Country) | | CITIZENSHIP |
| MAILING ADDRESS (Complete Street Address including City, State & Country) | | |
| GIVEN NAME/FAMILY NAME | INVENTOR'S SIGNATURE | DATE* |
| Residence (City, State & Country) | | CITIZENSHIP |
| MAILING ADDRESS (Complete Street Address including City, State & Country) | | |



DECLARATION

THE UNDERSIGNED, Authorized Translator duly examined and by the Finnish Ministry of Justice admitted to certify translations made from the Finnish into the English language,

HEREBY solemnly declares that the attached document reading in English is a true and faithful translation of a Priority Document concerning patent application no. 20030001, entitled "**Menetelmä ja laitteisto taakkojen käsittelymiseksi ja varastoinmiseksi**", filed with the Finnish Patent Office in the name of **AWA Advanced Warehouse Automation Oy**.

AND I MAKE this solemn declaration sincerely believing it to be true.

ON this 23rd day of January, 2004.


Tapani Kristola
Authorized Translator
Mäkikatu 48
26200 Rauma
Finland